

US EPA ARCHIVE DOCUMENT

Shreveport-Bossier City Metropolitan Statistical Area

Early Action Compact Progress Report

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Prepared for
U.S. Environmental Protection Agency
Region 6
Dallas, Texas

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1. Introduction

The U.S. Environmental Protection Agency (EPA) requires signatories of Early Action Compacts (EAC) to prepare a progress report every six months that describes the progress made to date against the EAC milestones. This progress report will summarize activities related to the Shreveport – Bossier City Metropolitan Statistical Area’s EAC during the period from July 1, 2006 through December 31, 2006.

2. Progress Toward Completion of Control Measure Implementation

All EAC milestones have been fully implemented as planned.

3. Air Quality Improvements

The Shreveport-Bossier City Metropolitan Statistical Area continues to be in attainment of the eight hour ozone standard. No ozone action days were declared for the Area during the 2006 ozone season. Despite the fact the average local temperatures for May, July, August and September were considerably higher than normal, the design value for both local monitors after 2006 reflected a slight decrease from 2005: the downtown airport monitor’s design value fell from 77.3 ppb to 77 ppb, and the Dixie monitor’s design value decreased from 78.7 ppb to 78.3 ppb.

4. Emissions Reductions

Preliminary information substantiates that significant emissions reductions continue to be achieved as a result of the implemented control measures.

Initial reports received from Johnson Controls, Inc. indicate that energy savings of approximately 13.2 million kWh of electrical energy and 129,000 ccf of natural gas have been realized during the period from mid-2004 through August of 2006 resulting from the installation of energy conserving equipment in City buildings. (Due to a recently discovered clerical error, energy savings were reported incorrectly in the June 30, 2006 progress report. The numbers shown above are correct.) According to very rough initial estimates, emissions reductions attributable to these energy savings are in excess of 25 million pounds of pollutants (largely consisting of greenhouse gas emissions such as CO₂), including over 44,000 pounds of NO_x. Efforts will be made to better quantify local emissions reductions resulting from the realized energy savings utilizing the calculations and formulas developed by the National Renewable Energy Laboratory as set forth in the revised SIP.

Initial reports also indicate that NO_x and VOC reductions resulting from the Centerpoint Energy plant modification and VOC reductions resulting from the GM plant modification have also been achieved. As reported in the June 30,

2006 progress report, the Centerpoint Energy facility in Bossier Parish (historically one of the highest stationary source emitters of NO_x in Caddo and Bossier Parishes) was permitted to emit 1034.26 tons per year of NO_x and 89.41 tons per year of VOC in 2003, prior to implementation of the plant modification. By 2005, the permit for the facility had been modified to limit NO_x emissions to 67.17 tons per year and VOC emissions to 20.42 tons per year. Actual emissions reported for the facility for 2005 were 50.79 tons of NO_x and 17.89 tons VOC. According to GM plant representatives, VOC emissions reductions of over 250 TPY (short of the goal of 500 TPY) were achieved in 2005 as a result of the GM plant modification. 2006 emissions numbers for both facilities should be available soon and will be included in the next progress report.

4. Additional Updates

Stakeholders continue to be kept abreast of any pertinent issues during the period via as needed, and no meetings were necessary during the period. No updates or revisions to modeling, technical analyses, or planning activities occurred during the period.

The City of Shreveport is the government agency responsible for implementing the following control measures: landfill gas recovery project; energy conservation program; intelligent transportation systems implementation; and obtaining of the hybrid bus. The Louisiana Department

of Environmental Quality has oversight, via permit, of emissions from the Centerpoint Energy natural gas processing plant and the General Motors plant.